

# Get Water\$mart – For Free

**Tucson Water** is continuing its popular series of **FREE** workshops to help you design, install, operate and maintain a water-thrifty drip irrigation system for your landscape or garden. Workshops are also offered on how to use your irrigation timer, how to select plants for your landscape, and how to harvest rainwater.

March 10, 2001

## **Metro Water**

6265 North La Canada Drive, Tucson

10:00 a.m. – 12:00 p.m. Irrigation Timers

1:00 – 4:00 p.m. Hands-On  
Drip Irrigation\*

April 11, 2001

## **Tucson Botanical Gardens (Porter Hall)**

2150 North Alvernon Way, Tucson

9:00 a.m. – 12:00 p.m. Desert Landscaping

May 5, 2001

## **Tohono Chul Park**

7366 North Paseo del Norte, Tucson

9:00 a.m. – 12:00 p.m. Hands-On Drip  
Irrigation\*

1:00 – 3:00 p.m. Water Harvesting

May 19, 2001

## **Tucson Botanical Gardens (Education Bldg)**

2150 North Alvernon Way, Tucson

9:00 a.m. – 12:00 p.m. Desert Landscaping

June 9, 2001

## **Tucson Botanical Gardens (Education Bldg)**

2150 North Alvernon Way, Tucson

9:00 a.m. – 12:00 p.m. Water Harvesting

June 9, 2001

## **Pima County Cooperative Extension**

4210 North Campbell Avenue, Tucson

1:00 – 4:00 p.m. Hands-On Drip  
Irrigation\*

\* PARTICIPANTS MUST REGISTER FOR  
THIS CLASS AT 622-7701.

Seating is limited at workshops and reservations are required. Reserve early to ensure a seat. Contact Tucson Water at **791-4331** for reservations. The Saturday workshops are a joint program of the Pima County Cooperative Extension and Tucson Water.

**1900 - 2001**  
**100 Years of Serving Tucson**

# Your Water Connection

News & Tips  
FOR  
Tucson Water Customers

## Clearwater Update

**Tucson Water is putting the finishing touches on the 11 1/2 mile Clearwater pipeline that will bring our new blended water into Tucson from Avra Valley. Final work is also being completed on the new reservoir and water booster pumps. About 18 million gallons of the Clearwater blend should be added to our water supply daily in late spring. For more information call Tucson Water at 791-4331 or see our web site at [www.ci.tucson.az.us/water/](http://www.ci.tucson.az.us/water/).**

February 2001 <http://www.ci.tucson.az.us/water/>

# Tour Tucson Water with Joaquim

When it comes to teaching people about water, or answering their questions, Joaquim Delgado is tops at Tucson Water. He gives free guided tours of Clearwater, the Sweetwater Wetlands, and other Tucson Water facilities. He also makes classroom presentations at local schools, and coordinates programs with educational groups and organizations. In general, Joaquim's goal is to use creative and interactive ways to make information about our water supply available to all Tucson Water customers.

Originally from the Cape Verde Islands, Joaquim worked with the Peace Corps in his native country and later for the University of Arizona and the Desert Museum before joining Tucson Water's Public Information Office. He holds a Bachelor of Science

Degree in Hydrology from the U. of A.

If you or an organization you are part of would like a free tour of any of Tucson Water's operations, call Joaquim at 791-5080, ext. 1461.



## Maintaining the Mains In Your Neighborhood Watch for Notification of Crews in Your Area



Tucson Water is flushing a large portion of our water system this winter to improve the quality of our water system and to eliminate sediment in some water mains. The program requires flushing water at high speeds from fire hydrants for five minutes or more, depending on the area. A temporary reduction in water pressure may occur during the flushing, so all the work will be done at night to minimize this

inconvenience. You will be notified several days before crews visit your neighborhood. For more information or a free brochure about the Maintaining the Mains Program, call 791-4331.

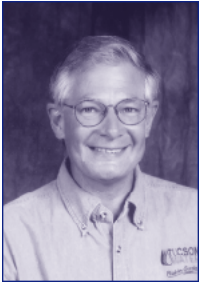
Visit the Tucson Water Web Site at <http://www.ci.tucson.az.us/water/>



*The Water Connection* is produced by Tucson Water.  
To receive a copy, or to receive this information in Spanish, call 791-4331 or mail your request to:  
Customer Information  
P.O. Box 27210  
Tucson, AZ 85726-7210

City of Tucson  
TTY number: 791-2639

Si usted desea este documento escrito en español, por favor, llame al 791-4331.



## On the Water Front



Tucson Water complies with many state and federal water quality regulations and monitors the water it delivers to you on a daily basis to ensure it meets these guidelines. Sometimes the rules that govern safe

drinking water are changed. Recently, the U.S. Environmental Protection Agency announced a new standard for arsenic in drinking water. The new regulations set the maximum amount at 10 parts per billion, down from the previous allowable amount of 50 parts per billion. (To give you an idea of what a part per billion is, it's about the same as one second of time in 31.7 years).

Some of Tucson's groundwater, like much of the groundwater in the western United States, can contain small concentrations of arsenic. Right now, it looks like about seven of our 200 groundwater wells will exceed this new standard. It's likely some of these wells will be shut down. Some may be treated or blended with other wells to ensure the water meets the

new standard. We'll be looking carefully at the final version of this new EPA rule to determine exactly how it relates to our water system.

It's important to remember that drinking water in the United States is very carefully regulated and closely monitored. Periodically our testing is reviewed by outside independent agencies to ensure accurate testing results. Tucson Water tests its water regularly at more than 250 locations around the water service area. Our primary water quality goal is to protect public health and safety and to accomplish this goal, Tucson Water professionals work 365 days a year to thoroughly test our water for any substances which may affect the health of water users. You can be assured that we will continue to work diligently to make sure the water we serve to you is safe and of the best quality.

David V. Modeer  
Director, Tucson Water

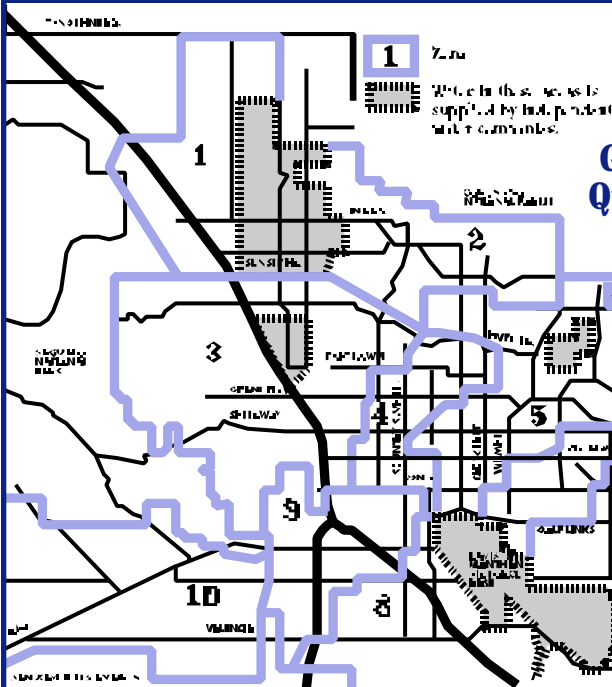
## Tucson Water History



**In 1933, Tucson Water** began building Plant 1 located on 18th St. east of the railroad tracks near the Santa Cruz River. Horse-drawn skids were used to level the ground to prepare the site for construction.

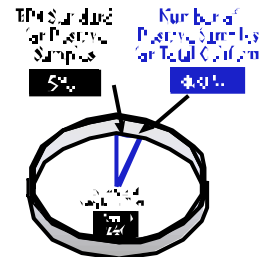
# GROUNDWATER QUALITY REPORT - November 2000

Water Quality Zone		1	2	3	4	5	6	7	8	9	10	System Wide
Sodium (ppm)	Average	55	43	48	43	40	34	29	44	56	43	42
	Range	23-87	40-50	20-97	29-58	28-49	25-43	23-40	36-48	42-195	42-45	20-195
Mineral Content (ppm)	Average	361	271	302	242	247	229	208	307	305	222	264
	Range	177-550	260-293	189-516	182-313	163-283	181-284	168-260	259-434	218-736	219-225	163-736
Hardness (ppm)	Average	159	122	131	99	111	110	105	148	114	79	117
	Range	58-298	113-129	65-227	65-125	70-131	78-137	86-122	98-285	76-341	71-83	58-341
pH (units)	Average	7.8	8.0	8.0	7.9	7.7	7.8	7.8	7.8	7.9	8.0	7.9
	Range	7.4-8.1	7.8-8.2	7.3-8.4	7.7-8.2	7.3-8.1	6.9-8.2	7.3-8.1	7.4-8.0	7.5-8.3	7.8-8.2	6.9-8.4
Temperature (deg F)	Average	73	73	72	76	73	72	73	74	77	74	74
	Range	63-80	67-79	66-79	67-81	66-81	62-78	67-78	64-81	68-82	68-83	62-83



## COLIFORM BACTERIA Testing Results - Nov 2000

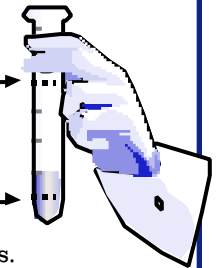
### Groundwater Quality Report



### Chlorine Level Average

Chlorine level is 1.2 ppm

Monthly Average 0.9 ppm



One part per million (ppm) is the same as one second of time in 11.6 days.

To give you a more accurate measurement of the water quality in your neighborhood, the Tucson Water service area has been divided

into 10 zones based on differences in water pressure and water quality. For a detailed description of the zone boundaries, call 791-4331.